

Ackerman, Joyce

From: Jackie Rowley <JRowley@Geosyntec.com>
Sent: Thursday, March 29, 2018 11:59 AM
To: Ackerman, Joyce
Subject: RE: Please review the samples I am taking for TCLP
Attachments: Roll-Off Bin Stratus.xlsx

Attached.

From: Jackie Rowley
Sent: Thursday, March 29, 2018 11:58 AM
To: 'Ackerman, Joyce' <Ackerman.Joyce@epa.gov>
Subject: Please review the samples I am taking for TCLP

Hey Joyce,

You will find in the column, "These bins need to be sampled and analyzed for TCLP (\$110)," the bins I feel we should be able to take 1 TCLP analysis for and characterize them as similar. Let me know what you think.

Cheers,

Jackie Rowley
Geologist

5670 Greenwood Village Plaza Blvd., Suite 540
Greenwood Village, CO 80111
Main Office: 303-790-1340
Direct Line: 720-509-8924
Fax: 804-767-2182
www.geosyntec.com

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No.	BIN DETAILS									SAMPLING DETAILS								COST DETAILS				
	Bin Number	Contents	Source	Size	Date Out	Corresponding Sample #	Disposition	Status	Manifest No.	EPA 8260C - VOC's	EPA 8270D - SVOC's	8270D LL SVOC's	EPA-7471B- Mercury	EPA 6010C - Metals	7470A - Mercury	EPA 8260C- TCLP	EPA-8260 Totals	Exceedances Based on the 20x Rule (Totals:Max. Concentration Limit)	Costs for Disposal	Cost of Transportation	These bins need to be sampled and analyzed for TCLP (\$110)	Remaining Costs
1	RFR279684	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279684-020818	KIMBALL	Approved		X	X	X	X	X	X	X	X	1,1-Dichloroethene, Benzene, Carbon tetrachloride, Trichloroethene, Vinyl Chloride	\$14,080.00	\$1,550.00		Costs to ship 2 bins to Kimball, including TCLP test cost.
2	CHRT27421	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27421-030118	KIMBALL	Approved		X	X		X	X			X	Vinyl Chloride (6:4), Chromium (590:100)	\$14,080.00	\$1,550.00	\$110.00	\$31,370.00
1	PT3017-2	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT3017-030118	DEER TRAIL	Approved		X	X		X	X			X	Chromium (160:100)	\$2,960.00	\$1,325.00	\$110.00	Costs to ship 7 bins to Deer Trail including TCLP test costs.
2	PT3129	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT3129-030118	DEER TRAIL	Approved		X	X		X	X			X	Chromium (430:100)	\$2,960.00	\$1,325.00		
3	PT5630	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT5630-030118	DEER TRAIL	Approved		X	X		X	X			X	Chromium (110:100)	\$2,960.00	\$1,325.00		
5	RFR279853	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279853-020818	DEER TRAIL	Approved		X	X	X	X	X	X	X	X	Vinyl Chloride (5.5:4)	\$2,960.00	\$1,325.00		
4	HT2645	DEBRIS	PHASE 2B	ROLL-OFF BIN			DEER TRAIL	Approved											\$2,960.00	\$1,325.00		
5	HT3115	DEBRIS	PHASE 2B	ROLL-OFF BIN			DEER TRAIL	Approved											\$2,960.00	\$1,325.00		
6	CHRT26308	DEBRIS	PHASE 2B	ROLL-OFF BIN			DEER TRAIL	Approved											\$2,960.00	\$1,325.00		
7	CHRT27516	DECON	PHASE 2B	ROLL-OFF BIN			DEER TRAIL	Approved											\$2,960.00	\$1,325.00		\$34,390.00
1	CHRT25418	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25418-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene (42:13), 1,2-Dichloroethene (22:10), Benzene (29:10), Carbon tetrachloride (49:10), Tetrachloroethene (22:10), Trichloroethene (22:10), Vinyl Chloride (54:4)	\$704.00	\$196.00	\$110.00	
2	CHRT25461	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2-CHRT25461-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene (44:14), 1,2-Dichloroethene (22:10), Benzene (30:10), Carbon tetrachloride (51:10), Tetrachloroethene (31:13), Trichloroethene (23:10), Vinyl Chloride (57:4)	\$704.00	\$196.00		
3	CHRT26993	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26993-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene (35:14), 1,2-Dichloroethene (18:10), Benzene 24:10), Carbon tetrachloride (41:10), Tetrachloroethene (25:14), Trichloroethene (19:10), Vinyl Chloride (45:4)	\$704.00	\$196.00		
4	CHRT27407	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27407-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene (35:14), 1,2-Dichloroethene (18:10), Benzene (24:10), Carbon tetrachloride (40:10), Tetrachloroethene (24:14), Trichloroethene (18:10), Vinyl Chloride (45:4)	\$704.00	\$196.00		
5	DRT4900	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-DRT4900-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene (92:14), 1,2-Dichloroethene (47:10), Benzene (63:10), Carbon tetrachloride (110:10), Tetrachloroethene (65:14), Trichloroethene (48:10), Vinyl Chloride (120:4)	\$704.00	\$196.00		
6	PT1096	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT1096-030118	FRONT RANGE	Approved		X	X			X			X	1,1-Dichloroethene (39:14), 1,2-Dichloroethene (20:10), Benzene (27:10), Carbon tetrachloride (45:10), Tetrachloroethene (27:14), Trichloroethene (20:10), Vinyl Chloride (50:4)	\$704.00	\$196.00	\$110.00	
7	PT3652	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT3652-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene (45:14), 1,2-Dichloroethene (23:10), Benzene (31:10), Carbon tetrachloride (52:10), Tetrachloroethene (31:14), Trichloroethene (24:10), Vinyl Chloride (57:4)	\$704.00	\$196.00		
8	PT5627	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT5627-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene, 1,2 (44:14)-Dichloroethene (22:10), Benzene (30:10), Carbon tetrachloride (51:10), Tetrachloroethene (31:14), Trichloroethene (23:10), Vinyl Chloride (56:4)	\$704.00	\$196.00		

9	RT4543-2	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-RT4543-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene (47:14), 1,2-Dichloroethene (24:10), Benzene (32:10), Carbon tetrachloride (54:10), Tetrachloroethene (33:14), Trichloroethene (25:10), Vinyl Chloride (60:4)	\$704.00	\$196.00	
10	PT2489	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT2489-020518 NLF-SS-PHASE2B-PT2489-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene, 1,2 (37:14)-Dichloroethene (19:10), Benzene (26:10), Carbon tetrachloride (43:10), Tetrachloroethene (26:14), Trichloroethene (20:10), Vinyl Chloride (48:4) (020518); Chromium only (120:100) (030118)	\$704.00	\$196.00	
11	CHRT26830	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26830-020518	FRONT RANGE	Approved		X	X	X	X	X				1,1-Dichloroethene (84:14), 1,2-Dichloroethene (43:10), Benzene (58:10), Carbon tetrachloride (98:10), Tetrachloroethene (59:14), Trichloroethene (54:10), Vinyl Chloride (110:4)	\$704.00	\$196.00	\$110.00
12	PT2452	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT2452-030118	FRONT RANGE	Approved		X	X			X			X	1,1-Dichloroethene (18:14), Benzene (13:10), Carbon Tetrachloride (21:10), Vinyl chloride (24:4)	\$704.00	\$196.00	\$110.00
13	CHRT26964	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26964-030118	FRONT RANGE	Approved		X	X		X	X			X	1,1-Dichloroethene (18:14), Benzene (12:10), Carbon Tetrachloride (21:10), Vinyl Chloride (23:4)	\$704.00	\$196.00	
14	CHRT24778	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT24778-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (5.7:4), Chromium (110:100)	\$704.00	\$196.00	\$110.00
15	CHRT27438	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27438-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (11:4)	\$704.00	\$196.00	\$110.00
16	CHRT25541	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT255541-030118	FRONT RANGE	Approved		X	X		X	X				Vinyl Chloride (11:4)	\$704.00	\$196.00	
17	CHRT25520	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT255520-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (11:4)	\$704.00	\$196.00	
18	CHRT25556	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25556-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (11:4)	\$704.00	\$196.00	
19	CHRT27391	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27391-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (11:4)	\$704.00	\$196.00	
20	CHRT25725	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25725-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (4.1:4)	\$704.00	\$196.00	\$110.00
21	CHRT26004	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26004-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (5.6:4)	\$704.00	\$196.00	
22	DRT4613	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-DRT4613-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (5.5:4)	\$704.00	\$196.00	
23	HT3701	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-HT3701-030118	FRONT RANGE	Approved		X	X			X			X	Vinyl Chloride (5.3:4)	\$704.00	\$196.00	
24	RFR274961	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-RFR274961-030118	FRONT RANGE	Approved		X	X		X	X			X	Vinyl Chloride (5.1:4)	\$704.00	\$196.00	\$22,370.00
1	CHRT24497	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT24497-020518	FRONT RANGE	Approved		X	X	X	X	X		X	X	1,1-Dichloroethene, Benzene, Carbon Tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride, Chromium	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
2	CHRT25758	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25758-020518	FRONT RANGE	Approved		X	X	X	X	X		X	X	1,1-Dichloroethene, 1,2-Dichloroethene, Benzene, Carbon tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
3	PT5631	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT5631-020518	FRONT RANGE	Approved		X	X	X	X	X		X	X	1,1-Dichloroethene, 1,2-Dichloroethene, Benzene, Carbon tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride, Chromium	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
4	RFR279947	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279947-020818	FRONT RANGE	Approved		X	X	X	X	X	X	X	X	Trichloroethene, Vinyl Chloride	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
5	RFR279964	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279964-020818 NLF-SS-PHASE2B-279964-030118	FRONT RANGE	Approved		X	X	X	X	X	X	X	X	Chromium, Tetrachloroethene	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
6	PT5628	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT5628-021418	FRONT RANGE	Approved		X	X	X	X	X	X	X	X	1,1-Dichloroethene, Benzene, Carbon tetrachloride, Vinyl Chloride	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
7	DRT4719	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-DRT4719-020818 NLF-SS-PHASE2B-DRT4719-030118	FRONT RANGE	Approved		X	X	X	X	X	X	X	X	1,1-Dichloroethene, 1,2-Dichloroethene, Benzene, Carbon tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
8	DRT4699	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-DRT4699-020518	FRONT RANGE	Approved		X	X	X	X	X		X	X	1,1-Dichloroethene, Benzene, Carbon tetrachloride, Vinyl Chloride	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
9	CHRT25696	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25696-020518	FRONT RANGE	Approved		X	X	X	X	X		X	X	1,1-Dichloroethene, 1,2-Dichloroethene, Benzene, Carbon tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
10	CHRT27116	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27116-020518	FRONT RANGE	Approved		X	X	X	X	X		X	X	Chromium	\$704.00	\$196.00	Totals exceeded, TCLP Passed.
11	CHRT9943	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-9943-021318	FRONT RANGE	Approved		X	X	X	X	X	X	X	X	Vinyl Chloride	\$704.00	\$196.00	Totals exceeded, TCLP Passed.

Cost to ship 24
bins to Front
Range including
TCLP test costs.

Costs to ship 12
bins to Front
Range now.

[illegible]